

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1527283

Luminaire Tested: 22CGSB-45-A125-L850

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-45-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

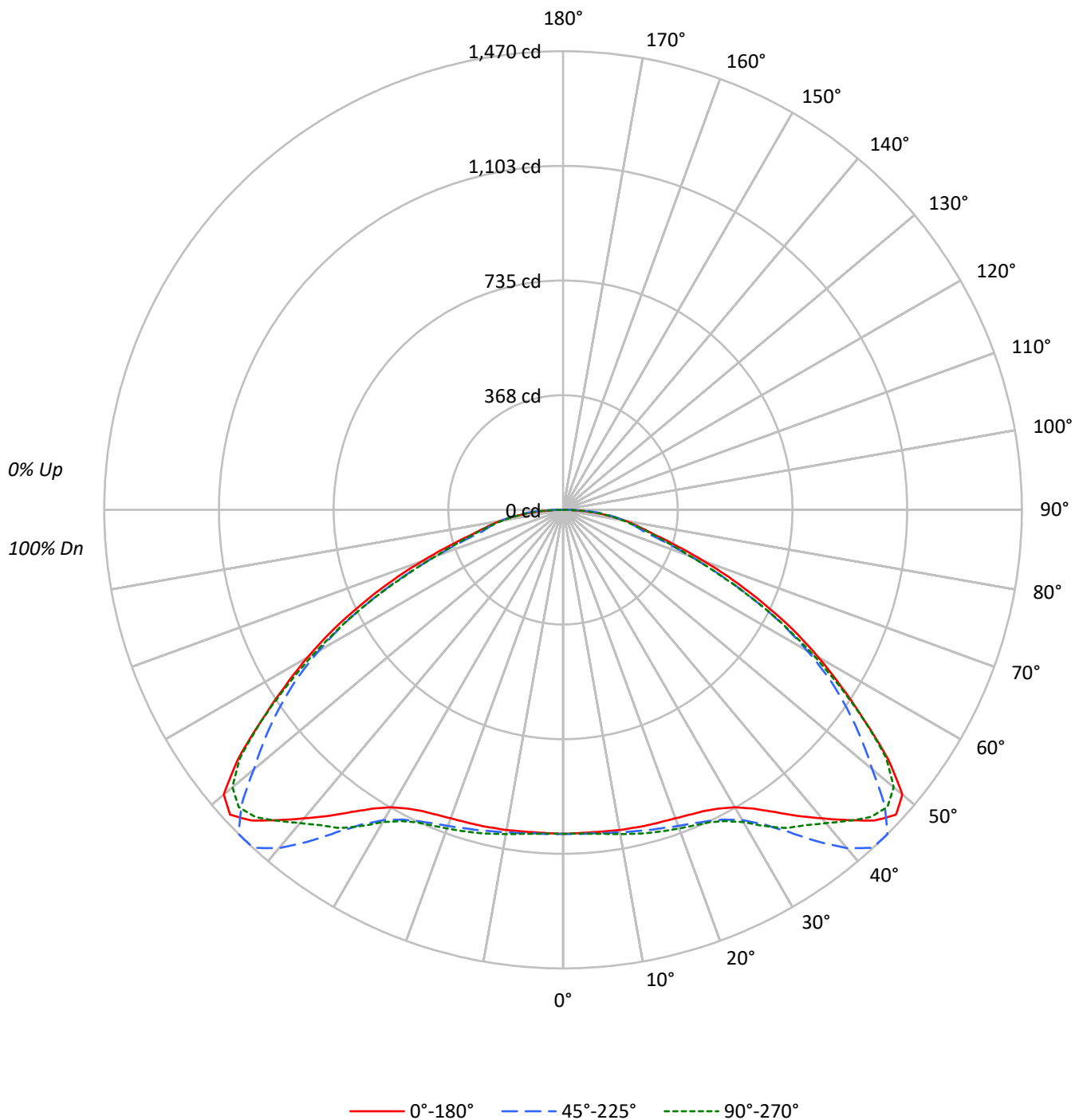
Lumens per Lamp: N/A
Luminaire Lumens: 4913.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38.2
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82						
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67						
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55						
4	80	67	58	51	78	66	57	50	63	55	49	61	54	49	58	53	48	46						
5	73	59	49	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38						
6	67	52	43	36	65	52	42	36	50	42	36	48	41	35	46	40	35	33						
7	61	47	38	31	60	46	37	31	45	37	31	43	36	30	42	35	30	28						
8	57	42	33	27	55	42	33	27	40	32	27	39	32	27	38	31	26	24						
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	23	21						
10	49	35	27	21	48	35	27	21	34	26	21	33	26	21	32	25	21	19						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2794	2794	2794
5°	2803	2813	2815
10°	2848	2868	2883
15°	2916	2960	2986
20°	3013	3088	3112
25°	3163	3268	3282
30°	3420	3567	3590
35°	3884	4140	4091
40°	4534	4971	4603
45°	5361	5594	5301
50°	5940	5412	5789
55°	5538	5211	5533
60°	5084	4864	4954
65°	4497	4243	4237
70°	3767	3395	3402
75°	3097	2779	3001
80°	3149	3135	3005
85°	3094	3724	3152

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 5940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	2.0
10°-20°	301.1	6.1
20°-30°	509.1	10.4
30°-40°	782.8	15.9
40°-50°	1087.9	22.1
50°-60°	1024.1	20.8
60°-70°	676.3	13.8
70°-80°	314.3	6.4
80°-90°	117.6	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	909.9	18.5
0°-40°	1692.7	34.5
0°-60°	3804.7	77.4
0°-90°	4913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1038	1040	1041	1043	1042	99
15°	1047	1051	1062	1070	1072	297
25°	1065	1079	1101	1107	1105	496
35°	1182	1224	1260	1256	1245	748
45°	1409	1459	1470	1435	1393	1078
55°	1180	1164	1111	1149	1179	1058
65°	706	700	666	676	665	701
75°	298	287	267	276	289	333
85°	100	115	121	117	102	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.4	1038.4	1038.4	1038.4	1038.4
2.5°	1037.5	1039.3	1040.3	1041.2	1038.4
5°	1037.5	1040.3	1041.2	1043.0	1042.1
7.5°	1039.3	1042.1	1044.9	1046.7	1047.7
10°	1042.1	1044.9	1049.5	1055.1	1055.1
12.5°	1044.0	1048.6	1055.1	1062.5	1063.5
15°	1046.7	1051.4	1062.5	1069.9	1071.8
17.5°	1048.6	1056.0	1069.0	1078.3	1079.2
20°	1052.3	1060.7	1078.3	1086.7	1086.7
22.5°	1057.9	1069.0	1087.6	1095.0	1095.0
25°	1065.3	1079.2	1100.6	1107.1	1105.2
27.5°	1079.2	1095.9	1119.1	1126.6	1124.7
30°	1100.6	1122.8	1147.9	1157.2	1155.3
32.5°	1134.9	1162.7	1194.3	1202.6	1201.7
35°	1182.2	1224.0	1260.2	1255.5	1245.3
37.5°	1237.0	1299.2	1340.0	1296.4	1274.1
40°	1290.8	1375.2	1415.2	1344.6	1310.3
42.5°	1348.3	1434.6	1469.0	1400.3	1352.0
45°	1408.7	1458.8	1469.9	1434.6	1392.9
47.5°	1446.7	1420.7	1396.6	1417.9	1409.6
50°	1418.9	1331.6	1292.7	1333.5	1382.7
52.5°	1313.1	1249.0	1203.6	1241.6	1303.8
55°	1180.4	1163.7	1110.8	1148.8	1179.4
57.5°	1058.8	1071.8	1014.3	1043.0	1047.7
60°	944.7	954.0	903.8	928.0	920.5
62.5°	828.7	829.6	790.6	804.5	793.4
65°	706.2	699.7	666.3	676.5	665.4
67.5°	591.1	576.3	544.7	549.4	539.1
70°	478.8	461.2	431.5	438.0	432.4
72.5°	378.6	364.7	338.7	347.1	352.6
75°	297.9	286.7	267.3	275.6	288.6
77.5°	246.8	232.9	234.8	229.2	238.5
80°	203.2	194.9	202.3	196.7	193.9
82.5°	151.3	159.6	162.4	165.2	151.3
85°	100.2	115.1	120.6	116.9	102.1
87.5°	49.2	62.2	64.0	63.1	52.9
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.8	20.5	19.2	20.9	21.2	18.6	20.4	19.0	20.7	21.0
	3H	20.1	21.7	20.4	22.0	22.3	19.8	21.4	20.2	21.7	22.1
	4H	20.5	22.0	20.9	22.3	22.7	20.2	21.7	20.6	22.0	22.4
	6H	20.8	22.2	21.2	22.6	22.9	20.5	21.9	20.9	22.3	22.7
	8H	21.0	22.3	21.4	22.7	23.1	20.7	22.0	21.1	22.4	22.8
	12H	21.1	22.3	21.5	22.7	23.2	20.8	22.1	21.3	22.5	22.9
4H	2H	19.2	20.7	19.6	21.1	21.5	19.1	20.6	19.5	20.9	21.3
	3H	20.7	21.9	21.1	22.3	22.7	20.4	21.7	20.9	22.1	22.5
	4H	21.2	22.3	21.6	22.7	23.2	20.9	22.1	21.4	22.5	22.9
	6H	21.7	22.7	22.1	23.1	23.5	21.4	22.4	21.9	22.9	23.3
	8H	21.9	22.8	22.3	23.2	23.7	21.7	22.6	22.1	23.0	23.5
	12H	22.1	22.9	22.5	23.4	23.8	21.9	22.7	22.3	23.2	23.6
8H	4H	21.4	22.3	21.8	22.7	23.2	21.1	22.1	21.6	22.5	23.0
	6H	22.0	22.8	22.5	23.2	23.7	21.8	22.6	22.3	23.0	23.5
	8H	22.3	23.0	22.8	23.5	24.0	22.1	22.8	22.6	23.3	23.8
	12H	22.6	23.2	23.1	23.7	24.3	22.4	23.1	22.9	23.5	24.1
12H	4H	21.4	22.2	21.9	22.7	23.2	21.2	22.0	21.7	22.5	23.0
	6H	22.1	22.8	22.6	23.2	23.8	21.9	22.6	22.4	23.0	23.6
	8H	22.4	23.0	22.9	23.5	24.1	22.3	22.9	22.8	23.4	23.9















(END OF REPORT)